PATENT COUPERATION TREATY

From the INTERNATIONAL BUREAU-LECTUAL

To.

JUN - 2 2006

ERSFELD, Dean, A.

Office of Intellectual Property Counsel
Post Office Box 53427

Saint Paul, MN 55133-3427 **ETATS-UNIS D'AMERIQUE**

RECEIVED

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Date of mailing (day/month/year) 26 May 2006 (26.05.2006)

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NOTIFICATION CONCERNING

TRANSMITTAL OF COPY OF INTERNATIONAL

PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OF THE PATENT COOPERATION

TREATY)

(PCT Rule 44bis.1(c))

Applicant's or agent's file reference 59104WO003

D.A. ERSFEL IMPORTANT NOTICE

International application No. PCT/US2004/038033 International filing date (day/month/year) 12 November 2004 (12.11.2004) Priority date (day/month/year) 14 November 2003 (14.11.2003)

Applicant

3M INNOVATIVE PROPERTIES COMPANY et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation

T. VUE JUN 0 2 2006

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Yolaine Cussac

Facsimile No.+41 22 338 70 80

Facsimile No.+41 22 740 14 35

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 59104WO003	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/US2004/038033	International filing date (day/month/year) 12 November 2004 (12.11.2004)	Priority date (day/month/year) 14 November 2003 (14.11.2003)	
International Patent Classification (8) See relevant information in Form	th edition unless older edition indicated) PCT/ISA/237	(1777)	
Applicant 3M INNOVATIVE PROPERTIES	COMPANY		-

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).				
2.	This REPORT consists of a total of 6 sheets, including this cover sheet.				
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
3.	. This report contains indications relating to the following items:				
	Box No. I	Basis of the report			
	Вох №. П	Priority			
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
4.	The International Bureau will c not, except where the applicant date (Rule 44bis .2).	ommunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority			

Date of issuance of this report 15 May 2006 (15.05.2006)
Authorized officer Yolaine Cussac
Telephone No. +41 22 338 70 80

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCHING AUTHORITY

To:
DEAN A. ERSFELD
OFFICE OF INTELLECTUAL PROPERTY COUNSEL
POST OFFICE BOX 33427

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OFFICE OF INTELLECTUAL PROPERTY COUNSEL POST OFFICE BOX 33427 SAINT PAUL, MN 55133-3427			ITTEN OPINION OF THE PNAL SEARCHING AUTHORITY (PCT Rule 43bis.1)	
			Date of mailing (day/month/year)	25 JAN 2006
Applicant's or agent's file reference			FOR FURTHER	ACTION See paragraph 2 below
59104WO003	Internation	al filing date	(day/month/year)	Priority date (day/month/year)
International application No.				14 November 2003 (14.11.2003)
PCT/US04/38033 12 November 2004 (12. International Patent Classification (IPC) or both national classification		nal classificat	ion and IPC	14 10000000 2003 (14:11:2003)
IPC(8): C07D 471/00; A61K 31/44				
Applicant				
3M INNOVATIVE PROPERTIES	COMPANY			
	a soluting to the f	allouing item	ic.	
This opinion centains indication	is relating to the R	Onowing nom	D.	
Box No. I Basis	of the opinion			
Box No. II Priorit	k No. II Priority			
Box No. III Non-e	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. IV Lack	Lack of unity of invention			
Box No. V Reaso applic	The state of the s			
Box No. VI Certai	Box No. VI Certain documents cited			
Box No. VII Certain defects in the international application				
Box No. VIII Certai	n observations on	the internation	onal application	·
2. FURTHER ACTION				
If a demand for international	mining Authority to be the IPEA as	r ("IPEA") e ad the chosen	xcept that this does IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an le International Bureau under Rule 66.1bis(b) ered.
If this opinion is, as provided IPEA a written reply together, of Form PCT/ISA/220 or before	where appropriat	te, with ameno	dments, before inc ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.
For further options, see Form 1				
3. For further details, see notes to	Form PCT/ISA/2	220.		
Name and mailing address of the I		Date of compl	letion of this opinion	Authorized officer
Mail Stop PCT, Attn: ISA/U Commissioner for Patents	is I	13 December	2005 (13.12.2005)	Amelia A. Owens (1)
P.O. Box 1450 Alexandria, Virginia 22313-	1450			Telephone No. 571-272-0700
Facsimile No. (571) 273-3201	<u> </u> _			

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/38033

Box No. I Basis of this opinion					
1. With regard to the language, this opinion has been established on the basis of:					
the international application in the language in which it was filed					
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
a. type of material					
a sequence listing					
table(s) related to the sequence listing					
b. format of material					
on paper					
in electronic form					
c. time of filing/furnishing					
contained in the international application as filed.					
filed together with the international application in electronic form.					
furnished subsequently to this Authority for the purposes of search.					
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Additional comments:					
·					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/38033

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of: the entire international application claims Nos. 13-15 and 17-38 because: the said international application, or the said claim Nos. _____ relate to the following subject matter which does not require an international search (specify): the description, claims or drawings (indicate particular elements below) or said claims Nos. 13-15 and 17-38 are so unclear that no meaningful opinion could be formed (specify): The claims are found to be unsearchable because they are improper multiple dependent claims. PCT 6 the claims, or said claims Nos. ____ are so inadequately supported by the description that no meaningful opinion could be formed (specify): no international search report has been established for said claims Nos. a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit: furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it. furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it. pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b). a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it. the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions. See Supplemental Box for further details.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/38033

Bn	x No. IV Lack of unity of invention
1.	In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time limit:
	paid additional fees
	paid additional fees under protest and, where applicable, the protest fee paid additional fees under protest but the applicable protest fee was not paid
	not paid additional fees
2.	This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to
	pay additional fees. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
3.	This Authority considers that the requirement of days to the complied with
	not complied with for the following reasons:
	See the lack of unity section of the International Search Report(Form PCT/ISA/210)
ĺ	
4	4. Consequently, this opinion has been established in respect of the following parts of the international application:
	all parts. the parts relating to claims Nos. 1.2 in part where Ra/Rb (1) do not form ring; (2) form a 6-membered carbocyclic ring; (3)
	the parts relating to claims Nos. 1.2 in part where Nos. 1.2 in part
1	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/38033

Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement YES Claims 1,2 in-part, 3-12,16 Novelty (N) NO Claims NONE YES Claims 1,2 in-part, 3-12,16 Inventive step (IS) NO Claims NONE YES Claims 1,2 in part, 3-12,16 Industrial applicability (IA) NO Claims NONE

2. Citations and explanations:

Claims 1-2 (in part where RA/RB (1) do not form ring; (2) form a 6-membered carbocyclic ring; (3) form a 6-membered nitrogen containing ring along with claims 3-12,16 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

Claims 1-2 (in part where RA/RB (1) do not form ring; (2) form a 6-membered carbocyclic ring; (3) form a 6-membered nitrogen containing ring along with claims 3-12,16 the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the compounds.

See Kshirsagar et al (CA 143:26604) that teach compounds similar to those claimed. See below. However, the reference has a 2005 date which is after the instant November 14, 2003 priority date.